



Fourteen UVic representatives were among the staff and students at the 1973 summer school at the Bamfield Marine Station. Dr. Derek Ellis (Biology) at the far right second row, served as station manager and academic director. UVic students were: back row, fifth from left, Jim Dempsey; sixth from left, Patricia Lough. Fourth row, third from right, teaching assistant Michael Coon. Third row, second from left, teaching assistant Adrian Jones; Judy Root, UVic grad now at UBC, third from left; Hans Bauer, fifth from left and Alexandra Williams, sixth from left. Second row. Lorna Forman, first at left; Eric Spurling, second from left; Anne Parkinson, seventh from left. Front row, first at left, Heather Ashton; Beverly Raymond, third from left; and William Roland, second from right.

## BAMFIELD STATION

For a growing number of North American biologists, the midwife between theory and fact is the Bamfield Marine Station.

Owned and operated by The Western Canadian University Marine Biological Society (WCUMBS), the remote research centre on the west coast of Vancouver Island acts as a year-round catalyst in a wide assortment of scientific experiments.

Faculty of the five western Canadian universities sponsoring the station and scientists from other institutions can rent one of the station's 10 research modules, or work in one of the four larger laboratories.

For the past two summers, 40 undergraduate students from the five member

universities (UVic, UBC, Simon Fraser, Calgary and Alberta) have converged on the station for courses in marine ecology and marine invertebrates. Ten UVic students and two teaching assistants were included in this summer's contingent.

UVic's Dr. Derek Ellis (Biology) was director of the academic programs for the 1973 summer session. He also served as station manager.

A permanent manager will be appointed to the station in November. Interim manager is Phil Rhynas, formerly operations manager at UVic's computer centre and more recently of the Victoria School Board.

The summer of '73 brought a minor building boom to the Bamfield station with Dr. Ellis presiding as unofficial foreman.

While construction delays hindered the completion of cabins for student accommodation, Dr. Ellis organized a tent town to serve as temporary housing.

The Bamfield site, 190 acres of sea-front property, was bought by the universities from the Canadian Overseas Telecommunications Corporation in 1969. The former Pacific Cable Station is now the marine laboratory. An aquarium room occupies the basement floor, and laboratories, a seminar room and a library take up the first and second floors.

Vital to the station is the sea water system which supplies all laboratories with Bamfield's high quality sea water.

One of the several significant developments at the marine station resulted from a Local Initiatives Project grant last winter. Under Dr. Dai Jones, an oil spill



emergency plan was designed for small harbors such as Bamfield. Under the plan, which involved a log boom with an attached felt curtain, pollution from outside the harbor could be prevented from entering, or pollution inside the harbor from escaping.

According to Dr. Ellis, the plan is workable enough for use in other small harbors.

From the first days of the Bamfield station, a sense of community participation in the project has been encouraged. Residents of the tiny town refer proudly to the station as "the university".

## CHEMISTRY MODEL

The combined efforts of nearly every section of the UVic Chemistry department have produced a unique and sophisticated animated teaching aid.

The Infrared Spectroscopy Demonstration and Teaching Model occupies the foyer of the third floor in the Elliott Building where it invites manipulation from interested passers-by.

The model demonstrates the difference between symmetrical and asymmetrical atomic vibrations. Atoms, represented at 200 million times their actual size, are activated in various combinations by pressing a series of buttons. Explanations of the processes occurring are inscribed on the model.

According to Senior Lab Instructor Karel Hartman, who conceived the project, the teaching aid can overcome in seconds what is a major difficulty—teaching students to think in three dimensions. "This sort of thing is usually explained on a blackboard—and most professors are not artists," he said.

Mr. Hartman's first sketch of the model was made nearly three years ago. Actual building did not begin until two years later, demanding the weekends and spare time not only of himself, but of Chemistry department carpenters, painters, draftsmen, and the electronic and mechanical shops.

Mr. Hartman credits technician Harry Towner with both thinking out and engineering most of the movements.

"The model was built entirely by our own people," Mr. Hartman says. He estimates the cost of having such a project built outside the department would run into thousands of dollars.

"This one contains about \$100 worth of scrap material and hundreds of hours of donated labor. The only purchased parts are the little motors."

The model is the first—and most sophisticated—of what Mr. Hartman hopes will be a series of such teaching mechanisms.

"The second one will take about a tenth of the time to build," he says. "The visualization takes the most time, but it's part of my hobby."

Mr. Hartman plans to publish the devel-

opment of the model in the *Journal of Chemical Education*, which he says is usually receptive to new teaching aids.

The model will be available for use by high schools and science fairs. "It is not our intention," says Mr. Hartman, "that it be only for insiders."

## ÇA MARCHE BIEN

Response to UVic's French Language Diploma Program for adults continues to be enthusiastic. Enrollment in the three-year-old program increased from 96 in 1972 to an estimated 160 this year.

Fourteen sections have been scheduled in the program offered by the Division of Continuing Education in cooperation with the Departments of French Language & Literature and Linguistics.

Four full-time and two part-time instructors will conduct the courses this year under program coordinator Dr. Gérald Moreau.

The program offers 500 hours of instruction in both oral and written work, using the latest audio-visual and linguistic methods. Classes are held in the afternoons and evenings from September to May; and students normally complete the program over a three-year period, progressing at their own rates.

In May the UVic Senate awarded the first six diplomas to students who successfully completed the courses.

The program is approved by the Federal Language Bureau in Ottawa, and 20 federal employees are among the students registered for the current year.

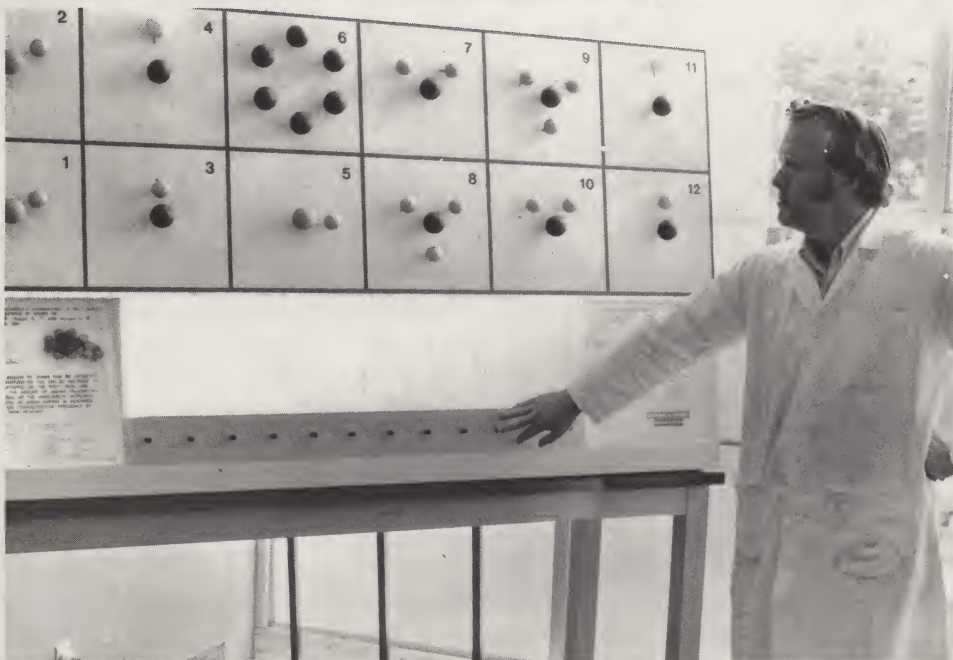
## SAMUEL JOHNSON MEETING

The annual meeting of the Samuel Johnson Society of the Northwest will be held October 19-20 at the university. Dr. Sam Macey (English), president of the northwest section of the international society, will hold an evening reception October 19 in his home.

A day of papers and discussion will be held at the Commons Block October 20 with a dinner following at the Empress Hotel. Persons wishing to attend the conference should contact the secretary of the Samuel Johnson Society, Dr. Tom Cleary (English).

The conference has attracted a distinguished group of eighteenth-century scholars including: Professor Ronald Paulson, the world expert on Hogarth;

*Chemistry department technician Harry Towner activates the teaching aid.*







Dr. John Newton of Vancouver discusses a display honoring his sister, the late Dr. Margaret Newton, with two residents of Margaret Newton Hall. The display, unveiled in the foyer of the residence hall recently, includes facsimiles of two medals won by Dr. Margaret Newton for her research in cereal rusts.

Professor Donald Greene, the Johnson specialist and editor of *Eighteenth Century Studies*; Professor Philip Pinkus, the Swift scholar; Professor A. Owen Aldridge, the editor of *Comparative Literature Studies*; Professor William Frost, an editor of the *Twickenham Pope*; and Professor Richard J. Schoeck, editor of *Shakespeare Quarterly* and Director of the Folger Institute of Shakespeare and Eighteenth Century Studies.

Professor Paulson will deliver the first address, sponsored by the University Speakers' Committee, from a chapter of his unpublished book on the relation of art to literature in the eighteenth century. He has entitled his paper, which will be illustrated with slides, "Gainsborough: Form and Representation."

The four sections of the meeting will be devoted to "Art and Literature in the Eighteenth Century"; "Studies in Swift"; "Shakespearean Influence in the Eighteenth Century"; and "The Augustans". At the banquet Professor Aldridge will speak on "Voltaire and Swift." His talk is sponsored by the English Department Committee for Visiting Speakers.

## ERRATA

The article on Dr. D.L. Jeffrey in the last issue of *Around the Ring* stated that Dr. Jeffrey has "published" three books on

medieval literature. Dr. Jeffrey has written three such books. Two of the three will be published in the next several months.

The article in the last issue of *Around the Ring* on "The Victorians and the Arts" Conference did not mention that the conference was co-sponsored by the Faculty of Fine Arts and that financial support for the conference was provided by a Canada Council grant of \$1,025.

## FACULTY NEWS

### EDUCATION

Dr. John Downing was a speaker at the 25th Anniversary World Mental Health Congress in Sydney, Australia, October 10. The Congress was organized by the World Federation for Mental Health. Dr. Downing's paper was on "Cultural and Linguistic Conflicts."

### CHEMISTRY

Dr. Alexander D. Kirk has been appointed Acting Head of the Department of Chemistry during the absence of Dr. Stephen A. Ryce.

Chemistry 301, "Industrial Processes and the Chemistry of Pollution", given this year by Dr. Martin Hocking with the co-operation of the Division of Continuing Education, has attracted an enthusiastic following of part-time students in the

evening section. Of the total course registration of 50, 14 of the participants provide representation from teaching staffs, professional people from a number of government technical departments and the armed forces, and individuals from several environmental consulting firms in the city.

Messrs. L. Blair Humphrey and Wayne A. Scott have joined the Chemistry Department staff as full-time laboratory instructors. Blair Humphrey graduated with an Honours Chemistry and a Master's degree from UBC, following which he held teaching appointments at the University of the West Indies and the University of Calgary. Wayne Scott obtained his Honours chemistry from Simon Fraser University and his Master's degree from the University of Alberta where he held a teaching assistantship.

## VISUAL ARTS

The Department of Visual Arts will have two visitors from the University of Iowa on Monday and Tuesday, October 22 to 23. Mr. Leif Brush has been involved in the areas of audible sculpture and computer graphics; his wife Gloria DeFillipps Brush is interested in all aspects of photography.

## POLITICAL SCIENCE

Dr. Edgar S. Efrat is editor of and a contributor to *Introduction to Sub-Saharan Africa*, published recently by Xerox College Publishing in Waltham and Toronto. Dr. Efrat was also elected a Fellow of the School of International Studies, American University, Washington, D.C. He has been invited by the Canadian Institute of International Affairs to speak on Canadian Involvement in Southern Africa in a coast-to-coast lecture tour in February 1974.

## PHYSICS

Dr. Walter M. Barss will present a paper to the eighty-sixth meeting of the Acoustical Society of America at the society's meeting to be held in Los Angeles October 30 through November 2. Dr. Barss' paper will be on Moiré Patterns in Underwater Acoustics.

## GEOGRAPHY

Dr. W. Derrick Sewell has been awarded a Canada Council grant of \$8,340 to conduct a review of water resources policies



and institutions in Britain and France. Dr. Sewell is undertaking the project during his current study leave in Europe.

### LINGUISTICS

Dr. T.E. Hukari has received a grant in the sum of \$13,518 from the Social Sciences and Humanities Division of Canada Council for research in Indian languages of the Northwest Coast. Dr. Hukari and Dr. Barbara Efrat of the Provincial Museum are the principal investigators. The languages under investigation by Dr. Hukari are Puget Salish and Halkomelem. Dr. Efrat is working on Straits Salish and Nooksack.

### CREATIVE WRITING

Two plays by Lawrence Russell are being staged in London, England, by the Factory Theatre Lab. of Toronto as part of their Festival of Canadian plays. The plays: "Penetration" and "I Remember Dali" — are under the direction of Ken Bass. Opening date is October 1 for 10 performances; locations: The Soho Poly (near Oxford Circus) and The Act Inn Theatre.

### ENGLISH

Dr. Michael Best is co-editor of a book recently published by the Clarendon Press, Oxford University. *The Book of Secrets of Albertus Magnus*, a pseudonymous work dating from the 13th century, was an extremely popular handbook of natural history for some 400 years. Dr. Best's text is that of an Elizabethan translator who was responsible for the work's continued popularity among English readers. The book covers everything from herbal remedies to conjuring tricks and magical tests of chastity, and was of sufficient interest to modern readers to warrant a discussion and interview of Dr. Best on CBC Radio.

### AROUND THE RING

UNIVERSITY OF VICTORIA NEWSLETTER  
VICTORIA, BRITISH COLUMBIA

## CALENDAR OF EVENTS

### Friday, October 12

12 noon — CWUAA Women's Field Hockey Tournament hosted by UVic. Field Hockey Pitches. Also Saturday beginning at 11 am and Sunday beginning at 10 am.

### Saturday, October 13

1:00 pm — Rugby. University Grounds. Oak Bay Wanderers vs. Saxons.  
1:00 pm — Rugby. University Grounds. Nanaimo vs. Norsemen.  
2:15 pm — Soccer. Heywood Park. Lusitanos vs. UVic.

### Monday, October 15

4:30 pm — Flag Football. Both rugby fields.

### Tuesday, October 16

7:30 pm — Seminar. Dr. T.S. Sahota, Department of the Environment, Pacific Forest Research Centre, Victoria, B.C. "Insect Hormones and the Physiology of Reproduction".  
7:30 pm — CUPE Workshop on Leadership until 10 pm in Cornett 108.  
8:00 pm — Faculty and Staff Badminton until 10:50 pm.

### Wednesday, October 17

12:30 pm — Faculty of Fine Arts meeting, Gold Room, Commons Block.  
4:30 pm — Creative Writing Department Lecture: Peter Russell, visiting writer. The Language of Poetry: A logic of the ultra-rational. Elliott 167.  
4:45 pm — CUPE General Meeting until 6 pm in Commons Block 208/209.  
6:00 pm — Rugby. University Grounds. James Bay Athletic Association vs. Norsemen.  
7:00 pm — Chess until 11 pm. Clearihue 128. All Faculty and Staff welcome.

### Thursday, October 18

7:30 pm — Men's and Women's Indoor Soccer. UVic Gymnasium.

### Friday, October 19

2:30 pm — Exhibition rugby. University Grounds. University of Washington vs. Vikings.  
3:30 pm — Faculty of Arts and Science meeting. Elliott 167.

### Saturday, October 20

1:00 pm — Rugby. Colville Road. Norsemen vs. Canadian Forces Base.  
2:30 pm — Rugby. University Grounds. Oak Bay Wanderers vs. Vikings.  
2:45 pm — Women's Field Hockey. UVic vs Sandpipers.  
— Cross Country. PNW High School and Open Championships, UBC, Vancouver.

## Next Deadline

12 noon October 19

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### Sunday, October 21

1:00 pm — Rugby. MacDonald Park. Saxons vs. James Bay Athletic Association.  
2:15 pm — Soccer. Centennial Stadium. UVic vs. London Boxing.  
7:30 pm — Film of Hamburg State Opera Company in Mozart's "Die Zauberflöte." MacLaurin 144. Admission free.

### Monday, October 22

4:30 pm — Flag Football. Both UVic Rugby Fields.  
7:30 pm — Women's Floor Hockey. UVic Gymnasium.

### Tuesday, October 23

12:30 pm — Department of Visual Arts Lecture. Leif Brush, Visiting Artist from the University of Iowa. MacLaurin 103.  
7:30 pm — CUPE Workshop on Leadership until 10 pm in Cornett 108.  
8:30 pm — Faculty and Staff Badminton until 10:50 pm.

### Wednesday, October 24

4:30 pm — Creative Writing Department Lecture: Peter Russell, visiting writer. Myth, Legend, History: The Wanderings of the Hero and the Life Cycle of Man. Elliott 167.  
7:00 pm — Chess until 11 pm. Clearihue 128. All Faculty and Staff welcome.

### Thursday, October 25

— CWUAA Men's Rugby Tournament hosted by UVic. Stadium.  
2:30 pm — Rugby. University Grounds. UBC vs Vikings.

### Friday, October 26

3:30 pm — CWUAA Men's Soccer hosted by UVic. Stadium. Also on Saturday and Sunday starting at 9:30 am.

### Saturday, October 27

12:30 pm — Basketball Referees' Clinic. UVic Gymnasium. Fee \$7. Call 477-6911, local 802 for information.